

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2004-105260

(43)Date of publication of application : 08.04.2004

(51)Int.Cl. A61H 11/00
A61F 5/02

(21)Application number : 2002-268469 (71)Applicant : IWATA KAZUO

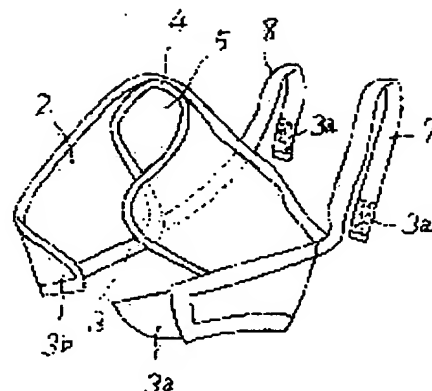
(22)Date of filing : 13.09.2002 (72)Inventor : MATSUYAMA
YUKIHIRO
IWATA KAZUO

(54) FOOT STIMULATION HEALTH IMPLEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a foot stimulation health implement for improving health by stimulating feet.

SOLUTION: The lower ends of a pair of right and left horizontally long belt pieces 1 and 2 where the upper ends of opposing edges are connected with each other by an extensible finger placing cord 4 are connected by fasteners to form a finger-placing space 5 surrounded by the opposing edges of these belt pieces 1 and 2 and the finger placing cord 4. The idle terminals of both of the belt pieces 1 and 2 are connected with each other by fasteners to form a heel placing part 6. Thereafter, the proximal end part of an auxiliary extensible band 7 provided with a fastener at its distal end is fitted to one of the right and left belt pieces 1 and 2, and the proximal end part of an instep presser band 8 provided with a fastener at its distal end is fitted to one of the right and left belt pieces 1 and 2.



LEGAL STATUS

[Date of request for examination] 27.06.2003

[Date of sending the examiner's
decision of rejection]

[Kind of final disposal of application
other than the examiner's decision
of rejection or application
converted registration]

[Date of final disposal for
application]

[Patent number] 3506695

[Date of registration] 26.12.2003

[Number of appeal against
examiner's decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]

(19) 日本国特許庁(JP)

(12) 公開特許公報(A)

(11) 特許出願公開番号

特開2004-105260

(P2004-105260A)

(43) 公開日 平成16年4月8日(2004. 4. 8)

(51) Int. Cl.⁷

A 6 1 H 11/00

A 6 1 F 5/02

F I

A 6 1 H 11/00

A 6 1 F 5/02

テーマコード (参考)

4 C 0 9 8

4 C 1 0 0

審査請求 有 請求項の数 1 O L (全 8 頁)

(21) 出願番号 特願2002-268469 (P2002-268469)
(22) 出願日 平成14年9月13日(2002. 9. 13)(71) 出願人 501202875
岩田 一男
愛知県知多市八幡字細見8 1 番地 5
(74) 代理人 100078101
弁理士 綿貫 達雄
(74) 代理人 100059096
弁理士 名嶋 明郎
(74) 代理人 100085523
弁理士 山本 文夫
(72) 発明者 松山 幸弘
愛知県名古屋市昭和区五軒家3 4 - 2
(72) 発明者 岩田 一男
愛知県知多市八幡字細見8 1 番地 5
Fターム(参考) 4C098 AA01 BB01 BB12 BC03 BD02
4C100 AD33 BB01 DA10 DA11

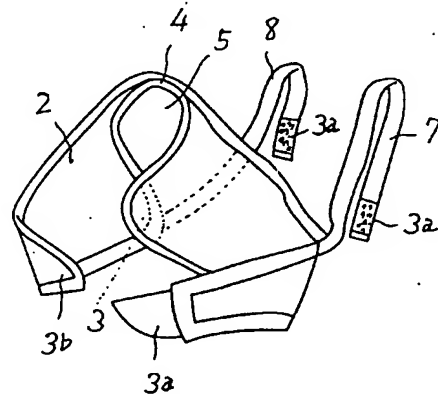
(54) 【発明の名称】 足部刺激健康具

(57) 【要約】

【課題】 足に刺激を与え健康の増進を図る足部刺激健康具を提供する。

【解決手段】 対向縁の上端間を伸縮性指掛紐4により連繋してある左右一對の横長帯片1、2の下端をファスナ類で連繋してこの横長帯片1、2の対向縁と前記した伸縮性指掛紐4とにより囲まれる指掛け空間5を形成するとともに、両横長帯片1、2の遊端同士をファスナ類で連繋して踵掛け部6を形成できるようにしたうえ、前記左右の横長帯片1、2の一方に先端部にファスナ類を設けた補助伸縮性バンド7の基端部を取り付け、さらに、左右の横長帯片1、2の一方に先端部にファスナ類を設けた甲部押えバンド8の基端部を取り付ける。

【選択図】 図3



【特許請求の範囲】

【請求項 1】

対向縁の上端間を伸縮性指掛紐（４）により連繋してある左右一対の横長帯片（１）、（２）の下端をファスナ類で連繋してこの横長帯片（１）、（２）の対向縁と前記した伸縮性指掛紐（４）とにより囲まれる指掛け空間（５）を形成するとともに、両横長帯片（１）、（２）の遊端末同士をファスナ類で連繋して踵掛け部（６）を形成できるようにしたうえ、前記左右の横長帯片（１）、（２）の一方に先端部にファスナ類を設けた補助伸縮性バンド（７）の基端部を取り付け、さらに、左右の横長帯片（１）、（２）の一方に先端部にファスナ類を設けた甲部押えバンド（８）の基端部を取り付けたことを特徴とする足部刺激健康具。

10

【発明の詳細な説明】

【０００１】

【発明の属する技術分野】

本発明は、足に適度な刺激を与えて血行を良くして筋肉疲労を緩和できるうえ正しい歩行姿勢のとれる足部刺激健康具に関するものである。

【０００２】

【従来の技術】

【特許文献１】特開２００１－８７２９７公開特許公報

【０００３】

従来、足に刺激を与え健康の増進を図るものとしては、足裏を竹や突起付のマットで踏み刺激を与える青竹踏みと称されるものや突起付のサンダルを履き足裏に刺激を与えるものが知られている。

20

【０００４】

【発明が解決しようとする課題】

ところが、前記のような青竹踏みにあっては足踏みが単調であり持続することが難しく、また、突起付のサンダルは全体重が突起が接触する足裏に加わり履き慣れるまで苦痛を伴う問題がある。

【０００５】

【課題を解決するための手段】

前記の課題を解決するためになされた本発明は、対向縁の上端間を伸縮性指掛紐により連繋してある左右一対の横長帯片の下端をファスナ類で連繋してこの横長帯片の対向縁と前記した伸縮性指掛紐とにより囲まれる指掛け空間を形成するとともに、両横長帯片の遊端末同士をファスナ類で連繋して踵掛け部を形成できるようにしたうえ、前記左右の横長帯片の一方に先端部にファスナ類を設けた補助伸縮性バンドの基端部を取り付け、さらに、左右の横長帯片の一方に先端部にファスナ類を設けた甲部押えバンドの基端部を取り付けたことを特徴とするものである。

30

【０００６】

【発明の実施の形態】

次に、本発明の好ましい実施の形態を図面に基づき説明する。

１、２は伸縮性を有する布地または編地よりなる左右一対の横長帯片である。この横長帯片１、２はその一方の横長帯片１が他方の横長帯片２より長いもので、その遊端はファスナ類３により係脱自在に連繋している。そのファスナ類３としては面ファスナが縫着されている。そして、この左右一対の横長帯片１、２は相互間に所要の間隔を置いて配置されてその対向縁の上端間を伸縮性指掛紐４により連繋している。この伸縮性指掛紐４は前記左右一対の横長帯片１、２との上端間に細布部として縁取りをして一体に形成したものであるが別異のゴムひも等の伸縮材を縫着してもよいものである。

40

【０００７】

また、この左右一対の横長帯片１、２の対向縁の下端同士もファスナ類３により係脱自在に連繋することにより、横長帯片１、２の対向縁と前記した伸縮性指掛紐４とにより図２に示すように囲まれる指掛け空間５が形成されるようになっている。また、前記したよう

50

に両横長帯片 1、2 の遊端末同士をファスナ類 3 により連繫するすることにより図 4 に示すように踵掛け部 6 が形成されるようになっている。

【0008】

横長帯片 1、2 の遊端末同士を係脱自在に連繫するファスナ類 3 として、面ファスナを使用しており、その雄側であるフック面部 3a を一方の横長帯片 1 の外端に縫着する一方、雌部であるループ面部 3b としては他方の横長帯片 2 の外端面に輪糸などが形成されている起毛地を用いているが、別異のループ面部 3b を横長帯片 2 の外面に縫着してもよい。

【0009】

また、横長帯片 1、2 の対向縁と伸縮性指掛紐 4 とにより囲まれる指掛け空間 5 を形成する手段として、ファスナ類 3 は面ファスナを使用しているの雄部であるフック面部 3a を一方の横長帯片 1 の内端内面の下縁側に縫着する一方、雌部であるループ面部 3b は他方の横長帯片 2 の内端外面の下縁側に前記の場合と同様にして形成し、両者を係脱自在とするとともに連繫位置を調節自在とすることにより、装着する人の足の大きさや形に応じて調節自在としている。

【0010】

また、7 は左右の横長帯片 1、2 の一方にその基端部をもって取り付けた先端部にファスナ類 3 を設けた小指掛用の補助伸縮性バンドである。このファスナ類 3 は面ファスナを使用しているの雄部であるフック面部 3a が取り付けられており、横長帯片 1、2 に形成した雌部であるループ面部に係合するものとされている。

【0011】

さらに、8 は左右の横長帯片 1、2 の一方に基端部をもって取り付けた先端にファスナ類 3 を設けた甲部押えバンドである。この甲部押えバンド 8 のファスナ類 3 は面ファスナを使用しているの雄部であるフック面部 3a が取り付けられており、横長帯片 1、2 に形成した雌部であるループ面部に係合するものとされている。なお、前記補助伸縮性バンド 7 及び甲部押えバンド 8 は基端部を縫着の手段により横長帯片 1、2 に一体に取り付けたものであるが、ファスナ類 3 により着脱自在に取り付けても良いことは勿論である。

【0012】

このように構成されたものは、先ず図 1 の展開状態から図 2 に示すように横長帯片 1、2 の対向縁の下端同士をファスナ類 3 で連携して、横長帯片 1、2 の対向縁と伸縮性指掛紐 4 とにより囲まれる指掛け空間 5 を形成する。次に、図 3 に示すように横長帯片 1 を屈曲させて、該横長帯片 1 の遊端末と横長帯片 2 の遊端末をファスナ類 3 により連携して図 4 に示すように踵掛け部 6 を形成する。

【0013】

続いて、図 5 に示すように親指 A と人差し指 B との間に伸縮性指掛紐 4 を引っ掛け、その後横長帯片 1、2 の遊端末同士をファスナ類 3 により連繫させた踵掛け部 6 に踵 D に係止させる。そして、図 6 に示すように、補助伸縮性バンド 7 を甲側から引き回して小指 E と薬指 F との間に装着したうえ先端のファスナ類 3 であるフック面部 3a を足裏に位置する横長帯片 1 の外面に形成されているループ面部 3b の任意の箇所に補助伸縮性バンド 7 の張力を調整して係止する。このように足に装着したり、甲部押えバンド 8 を一方の横長帯片 1 から甲部上部に回しこみ先端のファスナ類 3 であるフック面部 3a を足裏に位置する横長帯片 2 の外面に形成されているループ面部 3b の任意の箇所に張力を調整して係止して、足の甲の中央を囲装するとともに補助伸縮性バンド 7 を押さえ込むと、これにより該横長帯片 1、2 は甲部押えバンド 7 により足の甲側に引き寄せられて足の表面に密着することとなり、横長帯片 1、2 が足から離脱するのを防止できるものである。また、この甲部押えバンド 7 は足の甲の中央を囲装しているの、甲の中央に快適な刺激を与えるものである。

【0014】

このような足部刺激健康具は、横長帯片 1、2 と伸縮性指掛紐 4 と補助伸縮性バンド 7 及び甲部押えバンド 8 とよりなるから、足に装着したまま靴を履くことができ、装着したまま通常の生活を行なうことができるのである。装着時には親指 A と人差し指

10

20

30

40

50

Bとの間に伸縮性指掛紐4が、小指と薬指との間に補助伸縮性バンド7が引っ掛けられていることにより指全体が下側に曲げられて靴を履いた状態では足裏が靴内において指を的確に使う歩行を行うので、腰、脚に負担を掛けることなく疲れのない歩行ができるものである。また、指全体が下側に曲げられることにより土踏まずのプリッジが保持されるうえに、伸縮性指掛紐4が歩行に伴う足の動きにより伸縮して押圧力を変えた刺激を与えて足の筋肉を運動させるので、より血行を良くして疲労が出ないものである。

【0015】

【発明の効果】

以上に説明したように、本発明は伸縮性指掛紐が親指と人差し指との間に補助伸縮性バンドが小指と薬指との間に適度な刺激を与えて足の筋肉を動かし血行を良くするものであり、また、装着した状態で靴等の履物を履いた場合に指全体が下側に曲がり、歩行時に指を的確に使う歩行を行うので、足に負担を掛けない疲れのない合理的な歩行が自然にできるものである。さらに、甲部押えバンドにより横長帯片は足の甲側に引き寄せられて足の表面に密着することとなり、横長帯片が足から離脱するのを防止できるものである。

10

【図面の簡単な説明】

【図1】本発明の実施の形態を展開して示す平面図である。

【図2】本発明の実施の形態を態様異にして示す平面図である。

【図3】本発明の実施の形態を態様異にして示す平面図である。

【図4】本発明の実施の形態を態様異にして示す平面図である。

【図5】本発明の足部刺激健康具を足に装着する過程を示した平面図である。

20

【図6】本発明の足部刺激健康具を足に装着する過程を示した平面図である。

【図7】本発明の足部刺激健康具を足に装着する過程を示した平面図である。

【図8】本発明の足部刺激健康具を足に装着した状態を足裏側から示す底面図である。

【図9】

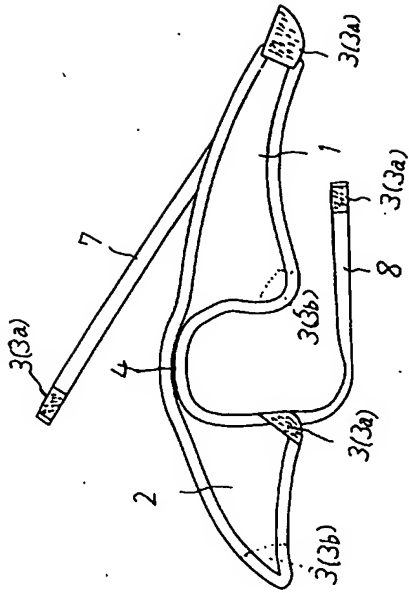
本発明の足部刺激健康具を足に装着した状態を側方から示す側面図である。

【符号の説明】

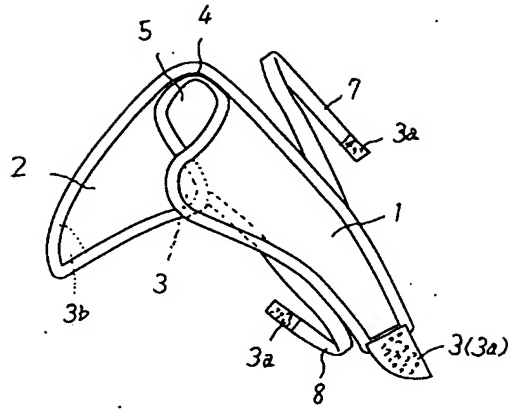
- 1 横長帯片
- 2 横長帯片
- 3 ファスナ類
- 4 伸縮性指掛紐
- 5 指掛け空間
- 7 補助伸縮性バンド
- 8 甲部押えバンド

30

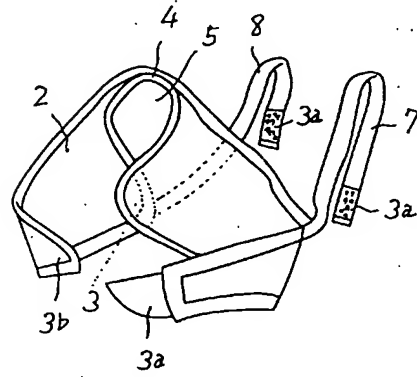
【図 1】



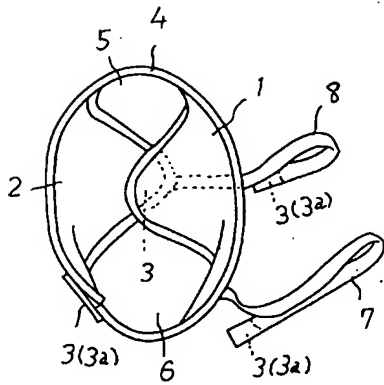
【図 2】



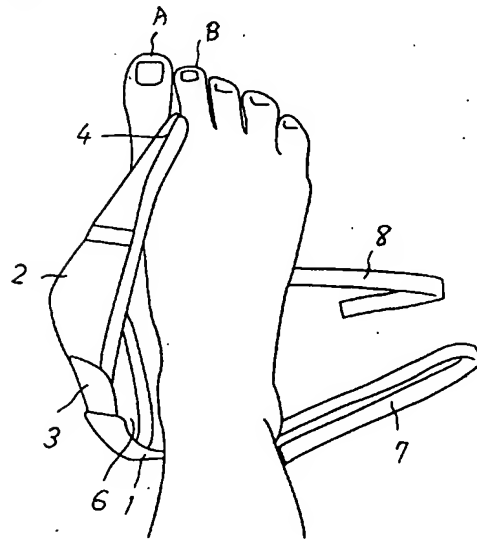
【図 3】



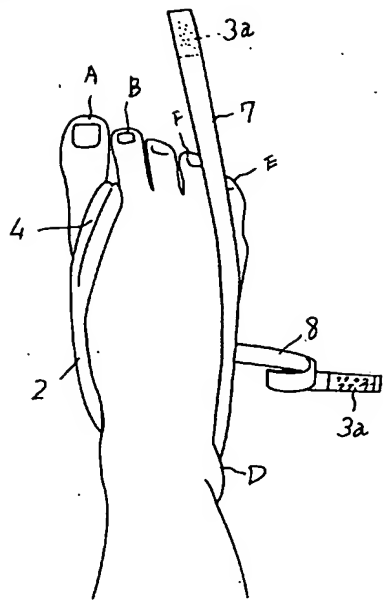
【図 4】



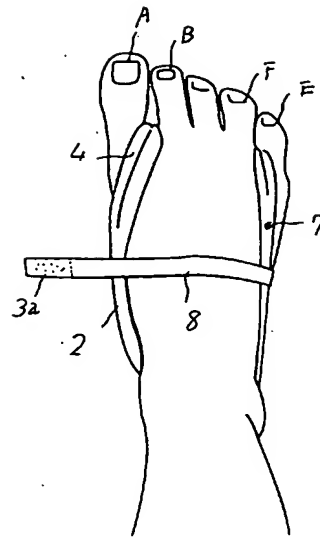
【図 5】



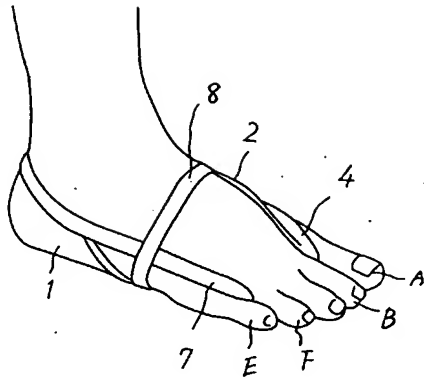
【図 6】



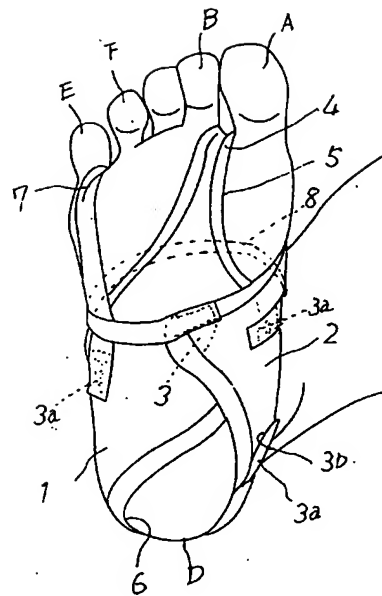
【図 7】



【図 8】



【図 9】



【手続補正書】

【提出日】平成15年6月27日(2003.6.27)

【手続補正1】

【補正対象書類名】明細書

【補正対象項目名】特許請求の範囲

【補正方法】変更

【補正の内容】

【特許請求の範囲】

【請求項1】

対向縁の上端間を伸縮性指掛紐(4)により連繋してある左右一対の横長帯片(1)、(2)の下端をファスナ類で連繋してこの横長帯片(1)、(2)の対向縁と前記した伸縮性指掛紐(4)とにより囲まれる指掛け空間(5)を形成するとともに、両横長帯片(1)、(2)の遊端末同士を連繋して踵掛け部(6)を形成できるようにしたうえ、前記左右の横長帯片(1)、(2)の一方に先端部にファスナ類を設けた補助伸縮性バンド(7)の基端部を取り付け、さらに、左右の横長帯片(1)、(2)の一方に先端部にファスナ類を設けた甲部押えバンド(8)の基端部を取り付けたことを特徴とする足部刺激健康具。

【請求項2】

両横長帯片(1)、(2)の遊端末同士の連携をファスナ類で行い踵掛け部(6)を形成できるようにした請求項1に記載の足部刺激健康具。

【手続補正2】

【補正対象書類名】明細書

【補正対象項目名】0002

【補正方法】変更

【補正の内容】

【0002】

【従来の技術】

【特許文献1】特開2001-87297公開特許公報

【特許文献2】特開平10-52472公開特許公報

【特許文献3】特開平11-169426公開特許公報

【手続補正3】

【補正対象書類名】明細書

【補正対象項目名】0005

【補正方法】変更

【補正の内容】

【0005】

【課題を解決するための手段】

前記の課題を解決するためになされた本発明は、対向縁の上端間を伸縮性指掛紐により連繋してある左右一対の横長帯片の下端をファスナ類で連繋してこの横長帯片の対向縁と前記した伸縮性指掛紐とにより囲まれる指掛け空間を形成するとともに、両横長帯片の遊端末同士を連繋して踵掛け部を形成できるようにしたうえ、前記左右の横長帯片の一方に先端部にファスナ類を設けた補助伸縮性バンドの基端部を取り付け、さらに、左右の横長帯片の一方に先端部にファスナ類を設けた甲部押えバンドの基端部を取り付けたものを請求項1に記載の発明とし、この発明において、両横長帯片の遊端末同士の連携をファスナ類で行い踵掛け部を形成できるようにしたものを請求項2に記載の発明とする。

【手続補正書】

【提出日】平成15年10月29日(2003.10.29)

【手続補正1】

【補正対象書類名】明細書

【補正対象項目名】特許請求の範囲

【補正方法】変更

【補正の内容】

【特許請求の範囲】

【請求項1】

対向縁の上端間を伸縮性指掛紐（４）により連繫してある左右一對の横長帯片（１）、（２）の下端をファスナ類で連繫してこの横長帯片（１）、（２）の対向縁と前記した伸縮性指掛紐（４）とにより囲まれる指掛け空間（５）を形成するとともに、両横長帯片（１）、（２）の遊端末同士をファスナ類で連繫して踵掛け部（６）を形成できるようにしたうえ、前記左右の横長帯片（１）、（２）の一方に先端部にファスナ類を設けた補助伸縮性バンド（７）の基端部を取り付け、さらに、左右の横長帯片（１）、（２）の一方に先端部にファスナ類を設けた甲部押えバンド（８）の基端部を取り付けたことを特徴とする足部刺激健康具。

【手続補正2】

【補正対象書類名】明細書

【補正対象項目名】0005

【補正方法】変更

【補正の内容】

【0005】

【課題を解決するための手段】

前記の課題を解決するためになされた本発明は、対向縁の上端間を伸縮性指掛紐により連繫してある左右一對の横長帯片の下端をファスナ類で連繫してこの横長帯片の対向縁と前記した伸縮性指掛紐とにより囲まれる指掛け空間を形成するとともに、両横長帯片の遊端末同士をファスナ類で連繫して踵掛け部を形成できるようにしたうえ、前記左右の横長帯片の一方に先端部にファスナ類を設けた補助伸縮性バンドの基端部を取り付け、さらに、左右の横長帯片の一方に先端部にファスナ類を設けた甲部押えバンドの基端部を取り付けたものを特徴とするものである。

*** NOTICES ***

JPO and NCIPi are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1]

between the upper limit of an opposite edge -- elasticity finger rest string (4) Coordinated piece of an oblong band of a Uichi Hidari pair (1) (2) A lower limit is coordinated with fasteners and it is this piece of an oblong band (1). (2) An opposite edge and the above mentioned elasticity finger rest string (4) Fingerplate space surrounded (5) While forming Piece of both the oblong band (1) (2) After coordinating comrades with fasteners in the end of a free end and enabling it to form the heel credit section (6), Piece of an oblong band of said right and left (1) (2) Auxiliary elasticity band which formed fasteners in the point at one side (7) The end face section is attached. furthermore, the foot characterized by attaching the end face section of a back presser-foot band (8) which formed fasteners in the point at one side of the piece of an oblong band on either side (1), and (2) -- a stimulus health implement.

[Translation done.]

* NOTICES *

JPO and NCIPI are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention]

the foot which can take a right walk posture in this invention's giving a moderate stimulus to a guide peg, improving circulation and being able to ease muscle fatigue -- it is related with a stimulus health implement.

[0002]

[Description of the Prior Art]

[Patent reference 1] JP,2001-87297,A public presentation patent official report

[0003]

What wears the sandals of a thing or projection called the treading on split bamboo which steps on the sole on a bamboo or the mat of projection, and gives a stimulus as what gives a stimulus conventionally to a guide peg and aims at improvement of health, and gives a stimulus to the sole is known.

[0004]

[Problem(s) to be Solved by the Invention]

However, if it is in the above treading on split bamboo, it is difficult for a step to be monotonous and to continue, and they have a problem accompanied by pain until a whole pile joins the sole which a projection contacts and gets used to wear the sandals of projection.

[0005]

[Means for Solving the Problem]

This invention made in order to solve the aforementioned technical problem While forming the fingerplate space which coordinates with fasteners the lower limit of the piece of an oblong band of a Uichi Hidari pair which has coordinated between the upper limit of an opposite edge with the elasticity finger rest string, and is surrounded with the opposite edge of this piece of an oblong band, and the above mentioned elasticity finger rest string After coordinating comrades with fasteners in the free end end of the piece of both the oblong band and enabling it to form the heel credit section, The description of having attached in one side of the piece of an oblong band of said right and left the end face section of an auxiliary elasticity band which formed fasteners in the point, and having attached further the end face section of a back presser-foot band which formed fasteners in one side of the piece of an oblong band on either side at the point is carried out.

[0006]

[Embodiment of the Invention]

Next, the gestalt of desirable operation of this invention is explained based on a drawing.

1 and 2 are pieces of an oblong band of a Uichi Hidari pair which consist of the cloth or knitting fabric which has elasticity. The piece 1 of an oblong band of one of these of these pieces 1 and 2 of an oblong band is longer than the piece 2 of an oblong band of another side, and that free end is coordinated free [engaging and releasing] with fasteners 3. The surface fastener is sewn on as the fasteners 3. And the pieces 1 and 2 of an oblong band of this Uichi Hidari pair set necessary spacing mutually, have been arranged, and have coordinated between the upper limit of that opposite edge with the elasticity finger rest string 4. Although this elasticity finger rest string 4 trims as the coarse hemp cloth section and forms at one

between upper limit with the pieces 1 and 2 of an oblong band of said Uichi Hidari pair, he may do ** arrival of the flexible material, such as an elastic band of another **.

[0007]

Moreover, the fingerplate space 5 surrounded as the opposite edge of the pieces 1 and 2 of an oblong band and the above mentioned elasticity finger rest string 4 show to drawing 2 is formed by coordinating the opposite space-under-the-porch edges of the pieces 1 and 2 of an oblong band of this Uichi Hidari pair free [engaging and releasing] with fasteners 3.

Moreover, by coordinating comrades with fasteners 3 in the free end end of the pieces 1 and 2 of both the oblong band, as described above, as shown in drawing 4 , the heel credit section 6 is formed.

[0008]

Comrades are used as the fasteners 3 coordinated free [engaging and releasing] at last. the free end of the pieces 1 and 2 of an oblong band -- Although the piloerection ground where **** etc. is formed in the outer edge surface of the piece 2 of an oblong band of another side as loop-formation surface part 3b which is the female section is used while using the surface fastener and sewing on the outer edge of one piece 1 of an oblong band hook surface part 3a which is the male side Loop-formation surface part 3b of another ** may be sewn on the external surface of the piece 2 of an oblong band.

[0009]

moreover, as a means to form the fingerplate space 5 surrounded with the opposite edge and the elasticity finger rest string 4 of the pieces 1 and 2 of an oblong band Since fasteners 3 are using the surface fastener, while sewing on the margo-inferior side of the inner edge inside of one piece 1 of an oblong band hook surface part 3a which is a male part Loop-formation surface part 3b which is the female section makes accommodation free by enabling accommodation of a coordinated location according to the magnitude and the form of a guide peg of those who equip while it is formed in the margo-inferior side of the inner edge external surface of the piece 2 of an oblong band of another side like the aforementioned case and enables engaging and releasing of both.

[0010]

Moreover, 7 is the auxiliary elasticity band for digitus-minimus credit which formed fasteners 3 in the point attached in one side of the pieces 1 and 2 of an oblong band on either side with the end face section. Since the surface fastener is used, hook surface part 3a which is a male part shall be attached, and these fasteners 3 shall engage with the loop-formation surface part which is the female section formed in the pieces 1 and 2 of an oblong band.

[0011]

Furthermore, 8 is the back presser-foot band which formed fasteners at the tip attached in one side of the pieces 1 and 2 of an oblong band on either side with the end face section. Since the surface fastener is used, hook surface part 3a which is a male part shall be attached, and the fasteners 3 of this back presser-foot band 8 shall engage with the loop-formation surface part which is the female section formed in the pieces 1 and 2 of an oblong band. In addition, although said auxiliary elasticity band 7 and the back presser-foot band 8 are attached in the pieces 1 and 2 of an oblong band with the means of attaching by sewing of the end face section at one, it may get down to fasteners and, of course, you may attach free [attachment and detachment].

[0012]

Thus, what was constituted cooperates with fasteners in the opposite space-under-the-porch edges of the pieces 1 and 2 of an oblong band, as first shown in drawing 2 from the expansion condition of drawing 1 , and it forms the fingerplate space 5 surrounded with the opposite edge and the elasticity finger rest string 4 of the pieces 1 and 2 of an oblong band. Next, the piece 1 of zonite length is made crooked as shown in drawing 3 , and as it cooperates with fasteners 3 and the free end end of the free end end of this piece 1 of zonite length and the piece 2 of zonite length is shown in drawing 4 , the heel credit section 6 is formed.

[0013]

Then, a jig and the heel credit section 6 which made comrades coordinate with fasteners 3 after that in the free end end of the pieces 1 and 2 of an oblong band are made to stop the elasticity finger rest string 4 on Heel D between Thumb A and index finger B, as shown in

drawing 5 . And the tension of the auxiliary elasticity band 7 is adjusted and stopped in the part of the arbitration of loop-formation surface part 3b currently formed in the external surface of the piece 1 of an oblong band located in the sole in hook surface part 3a which is the fasteners 3 at a tip after taking about the auxiliary elasticity band 7 from the shell side and equipping with it between a digitus minimus E and the third finger F, as shown in drawing 6 . Adjust tension to the part of the arbitration of loop-formation surface part 3b currently formed in the external surface of the piece 2 of an oblong band which turns to the back upper part, is crowded and is located in the sole in hook surface part 3a which is the fasteners at a tip, and it stops. thus -- if a guide peg is equipped -- the back presser-foot band 8 -- one piece of an oblong band -- since -- If the auxiliary elasticity band 7 is held down while ****(ing) the center of the shell of a guide peg, thereby, it can prevent that can draw near to the shell side of a guide peg these pieces 1 and 2 of an oblong band with the back presser-foot band 7, will stick on the surface of a guide peg, and the pieces 1 and 2 of an oblong band secede from a guide peg. Moreover, since this back presser-foot band 7 is ****(ing) the center of the shell of a guide peg, a comfortable stimulus is given in the center of a shell.

[0014]

such a foot -- a stimulus health implement, since it consists of the pieces 1 and 2 of an oblong band, the elasticity finger rest string 4, an auxiliary elasticity band 7, and a back presser-foot band 8 Since the usual life can be performed worn shoes, with a guide peg equipped and equipped, it is a thing. Since the sole performs the walk using a finger exactly [in shoes] where the whole finger was bent by the bottom and shoes are worn by trapping the elasticity finger rest string 4 between Thumb A and index finger B, and hooking the auxiliary elasticity band 7 between a digitus minimus and the third finger at the time of wearing, the waist, The walk which does not hang a burden on a foot and does not have the fatigue can be performed. Moreover, since the bridge of the arch of foot is held when the whole finger is bent by the bottom, and also the stimulus into which the elasticity finger rest string 4 expanded and contracted by motion of the guide peg accompanying a walk, and changed thrust is given and the muscles of a guide peg are made to exercise, circulation is improved more and fatigue does not come out.

[0015]

[Effect of the Invention]

As explained above, this invention is that to which an elasticity finger rest string gives the stimulus with an auxiliary elasticity band moderate between a digitus minimus and the third finger, moves the muscles of a guide peg, and improves circulation between the thumb and an index finger. Moreover, since the whole finger bends to the down side and the walk using a finger is exactly performed at the time of a walk when footwear, such as shoes, is worn in the condition of having equipped, the rational walk which does not have the fatigue which does not hang a burden in a guide peg can be performed automatically. Furthermore, the piece of an oblong band can be drawn near to the shell side of a guide peg with a back presser-foot band, and it will stick on the surface of a guide peg, and can prevent that the piece of an oblong band secedes from a guide peg.

[Brief Description of the Drawings]

[Drawing 1] It is the top view developing and showing the gestalt of operation of this invention.

[Drawing 2] It is the top view *(ed) and shown mode different about the gestalt of operation of this invention.

[Drawing 3] It is the top view *(ed) and shown mode different about the gestalt of operation of this invention.

[Drawing 4] It is the top view *(ed) and shown mode different about the gestalt of operation of this invention.

[Drawing 5] the foot of this invention -- it is the top view having shown the process in which a guide peg was equipped with a stimulus health implement.

[Drawing 6] the foot of this invention -- it is the top view having shown the process in which a guide peg was equipped with a stimulus health implement.

[Drawing 7] the foot of this invention -- it is the top view having shown the process in which a guide peg was equipped with a stimulus health implement.

[Drawing 8] the foot of this invention -- it is the bottom view showing the condition of

having equipped the guide peg with the stimulus health implement, from a guide-peg background.

[Drawing 9]

the foot of this invention -- it is the side elevation showing from the side the condition of having equipped the guide peg with the stimulus health implement.

[Description of Notations]

- 1 Piece of Oblong Band
- 2 Piece of Oblong Band
- 3 Fasteners
- 4 Elasticity Finger Rest String
- 5 Fingerplate Space
- 7 Auxiliary Elasticity Band
- 8 Back Presser-Foot Band

[Translation done.]

* NOTICES *

JPO and NCIPi are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the top view developing and showing the gestalt of operation of this invention.

[Drawing 2] It is the top view *(ed) and shown mode different about the gestalt of operation of this invention.

[Drawing 3] It is the top view *(ed) and shown mode different about the gestalt of operation of this invention.

[Drawing 4] It is the top view *(ed) and shown mode different about the gestalt of operation of this invention.

[Drawing 5] the foot of this invention -- it is the top view having shown the process in which a guide peg was equipped with a stimulus health implement.

[Drawing 6] the foot of this invention -- it is the top view having shown the process in which a guide peg was equipped with a stimulus health implement.

[Drawing 7] the foot of this invention -- it is the top view having shown the process in which a guide peg was equipped with a stimulus health implement.

[Drawing 8] the foot of this invention -- it is the bottom view showing the condition of having equipped the guide peg with the stimulus health implement, from a guide-peg background.

[Drawing 9]

the foot of this invention -- it is the side elevation showing from the side the condition of having equipped the guide peg with the stimulus health implement.

[Description of Notations]

- 1 Piece of Oblong Band
- 2 Piece of Oblong Band
- 3 Fasteners
- 4 Elasticity Finger Rest String
- 5 Fingerplate Space
- 7 Auxiliary Elasticity Band
- 8 Back Presser-Footer Band

[Translation done.]

* NOTICES *

JPO and NCIPi are not responsible for any damages caused by the use of this translation.

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

WRITTEN AMENDMENT

[Procedure revision]

[Filing Date] June 27, Heisei 15 (2003. 6.27)

[Procedure amendment 1]

[Document to be Amended] Specification

[Item(s) to be Amended] Claim

[Method of Amendment] Modification

[The contents of amendment]

[Claim(s)]

[Claim 1]

between the upper limit of an opposite edge -- elasticity finger rest string (4) Coordinated piece of an oblong band of a Uichi Hidari pair (1) (2) A lower limit is coordinated with fasteners and it is this piece of an oblong band (1). (2) An opposite edge and the above mentioned elasticity finger rest string (4) Fingerplate space surrounded (5) While forming Piece of both the oblong band (1) (2) After coordinating comrades in the end of a free end and enabling it to form the heel credit section (6), Piece of an oblong band of said right and left (1) (2) Auxiliary elasticity band which formed fasteners in the point at one side (7) The end face section is attached. furthermore, the foot characterized by attaching the end face section of a back presser-foot band (8) which formed fasteners in the point at one side of the piece of an oblong band on either side (1), and (2) -- a stimulus health implement.

[Claim 2]

piece of both the oblong band (1) (2) the foot according to claim 1 which cooperates comrades with fasteners in the end of a free end, and enabled it to form the heel credit section (6) -- stimulus health implement.

[Procedure amendment 2]

[Document to be Amended] Specification

[Item(s) to be Amended] 0002

[Method of Amendment] Modification

[The contents of amendment]

[0002]

[Description of the Prior Art]

[Patent reference 1] JP,2001-87297,A public presentation patent official report

[Patent reference 2] JP,10-52472,A public presentation patent official report

[Patent reference 3] JP,11-169426,A public presentation patent official report

[Procedure amendment 3]

[Document to be Amended] Specification

[Item(s) to be Amended] 0005

[Method of Amendment] Modification

[The contents of amendment]

[0005]

[Means for Solving the Problem]

This invention made in order to solve the aforementioned technical problem While forming the fingerplate space which coordinates with fasteners the lower limit of the piece of an oblong band of a Uichi Hidari pair which has coordinated between the upper limit of an opposite edge with the elasticity finger rest string, and is surrounded with the opposite edge

of this piece of an oblong band, and the above mentioned elasticity finger rest string After coordinating comrades in the free end end of the piece of both the oblong band and enabling it to form the heel credit section, The end face section of an auxiliary elasticity band which formed fasteners in the point is attached in one side of the piece of an oblong band of said right and left. Furthermore, consider what attached the end face section of a back presser-foot band which formed fasteners in the point at one side of the piece of an oblong band on either side as invention according to claim 1, and it sets to this invention. The thing which cooperates comrades with fasteners in the free end end of the piece of both the oblong band, and enabled it to form the heel credit section is considered as invention according to claim 2.

[Procedure revision]

[Filing Date] October 29, Heisei 15 (2003. 10.29)

[Procedure amendment 1]

[Document to be Amended] Specification

[Item(s) to be Amended] Claim

[Method of Amendment] Modification

[The contents of amendment]

[Claim(s)]

[Claim 1]

between the upper limit of an opposite edge -- elasticity finger rest string (4) Coordinated piece of an oblong band of a Uichi Hidari pair (1) (2) A lower limit is coordinated with fasteners and it is this piece of an oblong band (1). (2) An opposite edge and the above mentioned elasticity finger rest string (4) Fingerplate space surrounded (5) While forming Piece of both the oblong band (1) (2) After coordinating comrades with fasteners in the end of a free end and enabling it to form the heel credit section (6), Piece of an oblong band of said right and left (1) (2) Auxiliary elasticity band which formed fasteners in the point at one side (7) The end face section is attached. furthermore, the foot characterized by attaching the end face section of a back presser-foot band (8) which formed fasteners in the point at one side of the piece of an oblong band on either side (1), and (2) -- a stimulus health implement.

[Procedure amendment 2]

[Document to be Amended] Specification

[Item(s) to be Amended] 0005

[Method of Amendment] Modification

[The contents of amendment]

[0005]

[Means for Solving the Problem]

This invention made in order to solve the aforementioned technical problem The lower limit of the piece of an oblong band of a Uichi Hidari pair which has coordinated between the upper limit of an opposite edge with the elasticity finger rest string is coordinated with fasteners, and it is this piece of an oblong band. While forming the fingerplate space surrounded with an opposite edge and the above mentioned elasticity finger rest string After coordinating comrades with fasteners in the free end end of the piece of both the oblong band and enabling it to form the heel credit section, It is characterized by what attached in one side of the piece of an oblong band of said right and left the end face section of an auxiliary elasticity band which formed fasteners in the point, and attached further the end face section of a back presser-foot band which formed fasteners in one side of the piece of an oblong band on either side at the point.

[Translation done.]